**1. User Registration and Profile Management (Estimated Effort: 20 hours)**

This module handles user account management and authentication.

* **Features:**
  + User registration and profile creation.
  + Authentication using JWT tokens (login, logout).
  + Profile editing, including updating bio and profile picture.
  + Password reset functionality.
* **Technologies:**
  + Django, Django Rest Framework, djangorestframework-simplejwt.
* **Effort Breakdown:**
  + Setup and configuration: 3 hours.
  + User registration and authentication: 10 hours.
  + Profile editing and password reset: 7 hours.

**2. Blog Post Management (Estimated Effort: 30 hours)**

This module allows users to create, edit, delete, and view blog posts.

* **Features:**
  + CRUD operations for blog posts (title, content, author, timestamp).
  + Support for tags and categories.
  + Rich text support for post content (Markdown or HTML).
  + Image and file uploads (using Django’s media support).
  + Search, filter, and pagination.
* **Technologies:**
  + Django, DRF, django-filter, django-taggit, Pillow for image processing.
* **Effort Breakdown:**
  + Database models and API setup: 12 hours.
  + Implementing CRUD operations: 10 hours.
  + Image/file uploads and media configuration: 5 hours.
  + Pagination and search integration: 3 hours.

**3. Commenting System (Estimated Effort: 15 hours)**

This module allows users to comment on blog posts and reply to existing comments.

* **Features:**
  + Create, edit, delete, and view comments.
  + Nested comments for replies (optional).
  + Comment moderation and reporting.
* **Technologies:**
  + Django, DRF, django-mptt (for nested comments).
* **Effort Breakdown:**
  + Basic comment model and API setup: 5 hours.
  + Implement nested comments and replies: 7 hours.
  + Moderation and reporting features: 3 hours.

**4. Like and Bookmark System (Estimated Effort: 10 hours)**

This module enables users to like and bookmark posts for quick access.

* **Features:**
  + Like and unlike a post.
  + Bookmark posts for future reference.
  + View a list of liked and bookmarked posts.
* **Technologies:**
  + Django, DRF.
* **Effort Breakdown:**
  + Models and relationship management: 4 hours.
  + API endpoints for like and bookmark actions: 4 hours.
  + View liked/bookmarked posts: 2 hours.

**5. Notifications and Activity Feed (Estimated Effort: 15 hours)**

This module keeps users updated with activities related to their posts and interactions.

* **Features:**
  + Real-time notifications for likes, comments, and follows.
  + Activity feed showing recent interactions.
* **Technologies:**
  + Django Channels for WebSockets, Redis for real-time updates.
* **Effort Breakdown:**
  + Setting up WebSockets with Django Channels: 6 hours.
  + Implementing real-time notifications: 6 hours.
  + Activity feed generation: 3 hours.

**6. Admin and Moderation Panel (Estimated Effort: 10 hours)**

This module provides administrative control over content and user management.

* **Features:**
  + Manage users, posts, and comments.
  + Moderate reported comments and posts.
  + View analytics and user activity logs.
* **Technologies:**
  + Django Admin, DRF.
* **Effort Breakdown:**
  + Admin customization and setup: 6 hours.
  + Content moderation features: 4 hours.

**7. Deployment and Hosting (Estimated Effort: 15 hours)**

This module covers preparing the project for production and making it accessible online.

* **Features:**
  + Containerize the application using Docker.
  + Deploy on cloud platforms (e.g., AWS, DigitalOcean).
  + Set up CI/CD pipelines for automated deployment.
* **Technologies:**
  + Docker, Gunicorn, Nginx, AWS, GitHub Actions.
* **Effort Breakdown:**
  + Dockerization and environment setup: 6 hours.
  + Cloud deployment and environment configuration: 6 hours.
  + CI/CD pipeline setup: 3 hours.